

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/6026, 914  
Source: IFWQ  
Date Processed by STIC: 10/26/04

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 10/26/2004

PATENT APPLICATION: US/10/626,914

TIME: 10:53:35

Input Set : A:\P1942R1.txt

Output Set: N:\CRF4\10262004\J626914.raw

## --&gt; 1 Patin Docket Preview

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7 <110> APPLICANT: CHUNTHARAPAI, ANAN
8     GREWAL, IQBAL
9     KIM, KYUNG JIN
10    YAN, MINHONG
12 <120> TITLE OF INVENTION: TACI Antibodies and Uses Thereof
14 <130> FILE REFERENCE: P1942R1
16 <140> CURRENT APPLICATION NUMBER: US 10/626,914
17 <141> CURRENT FILING DATE: 2003-07-25
19 <150> PRIOR APPLICATION NUMBER: US 60/398,530
20 <151> PRIOR FILING DATE: 2002-07-25
22 <160> NUMBER OF SEQ ID NOS: 17
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 1377
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapien
29 <400> SEQUENCE: 1
30  agcatcctga gtaatgagtg gcctgggccc gagcaggcga ggtggccgga 50
32  gccgtgtgga ccaggaggag cgctttccac agggcctgtg gacgggggtg 100
34  gctatgagat cctgccccga agagcagtac tgggatcctc tgctgggtac 150
36  ctgcatgtcc tgcaaaacca tttgcaacca tcagagccag cgcacctgtg 200
38  cagccttctg caggtcactc agctgccgca aggagcaagg caagtcttat 250
40  gaccatctcc tgagggactg catcagctgt gcctccatct gtggacagca 300
42  ccctaagcaa tgtgcatact tctgtgagaa caagctcagg agcccagtga 350
44  accttccacc agagctcagg agacagcgga gtggagaagt tgaaaacaat 400
46  tcagacaact cgggaaggta ccaaggattg gagcacagag gctcagaagc 450
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50  tctacagcac gctggggctc tgctgtgtg ccgtcctctg ctgcttctctg 550
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54  gccccgctca agggccccgc aaagtccggc caagtcttcc caggatcacg 650
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66  ggtcaggagg ggaaggagg agggagagag atggagagga ggggagagag 950
68  aaagagaggt ggggagagg gagagagata tgaggagaga gagacagagg 1000
70  aggcagaaag ggagagaaac agaggagaca gagagggaga gagagacaga 1050
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74  aggaaagaga caggcagaga aggagaggg cagagaggga gagaggcaga 1150
76  gagggagaga ggcagagaga cagagaggga gagagggaca gagagagata 1200
78  gagcaggagg tcggggcact ctgagtccca gttcccagtg cagctgtagg 1250
80  tcgtcatcac ctaaccacac gtgcaataaa gtcctcgtgc ctgctgctca 1300

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84  ctctctcaaa aaaaaaaaaa aaaaaaaa 1377
86  <210> SEQ ID NO: 2
87  <211> LENGTH: 1377
88  <212> TYPE: DNA
89  <213> ORGANISM: Homo sapien
91  <400> SEQUENCE: 2
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94  tccaggagga ggggctctcg ggggctgtga gcagcaggca cgaggacttt 100
96  attgcacgtg tggttagggtg atgacgacct acagctgcac tgggaactgg 150
98  gactcagagt gccccgacct cctgctctat ctctctctgt cctctctctc 200
100 ctctctgtct ctctgcctct cctccctctc gcctctctcc ctctctgcct 250
102 ctctcttctc ctgcctgtct ctttctctct ctgcctcttt cctctctctg 300
104 ctctcttccc ctctgtctct ctctccctct gtctctctct cctctctctg 350
106 ctctctgttt tctctccctt tctgcctcct ctgtctctct cctctcatat 400
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116 caagtggggt cgggggtccc aggcgtgact gcgctctcct gcgtgggctg 650
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122 ggactttgac ggggccttga gcggggctgg caggagcagg gatccccct 800
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126 acaggcagag cccagcgtg ctgtagacca gggccacctg atctgcactc 900
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130 tccttggtac cttcccagat tgtctgaatt gttttcaact tctccactcc 1000
132 gctgtctcct gagctctggt ggaagggttc ctgggctcct gagcttggtc 1050
134 tcacagaagt atgcacattg cttaggggtg tgtccacaga tggaggcaca 1100
136 gctgatgcag tccctcagga gatgggtcata gaacttgct tgcctctg 1150
138 ggcagctgag tgacctgag aaggtgcac aggtgcgctg gctctgatg 1200
140 ttgcaaatgg ttttgacgga catgcaggta cccagcagag gatcccagta 1250
142 ctgctcttgc gggcaggatc tcatagccac cccgctccac aggcctgtg 1300
144 gaaagcgctc ctctgtgtcc acacggctcc ggccacctcg cctgctccgg 1350
146 cccaggccac tcattactca ggatgct 1377
148 <210> SEQ ID NO: 3
149 <211> LENGTH: 293
150 <212> TYPE: PRT
151 <213> ORGANISM: Homo sapien
153 <400> SEQUENCE: 3
154 Met Ser Gly Leu Gly Arg Ser Arg Arg Gly Gly Arg Ser Arg Val
155 1 5 10 15
157 Asp Gln Glu Glu Arg Phe Pro Gln Gly Leu Trp Thr Gly Val Ala
158 20 25 30
160 Met Arg Ser Cys Pro Glu Glu Gln Tyr Trp Asp Pro Leu Leu Gly
161 35 40 45
163 Thr Cys Met Ser Cys Lys Thr Ile Cys Asn His Gln Ser Gln Arg
164 50 55 60
166 Thr Cys Ala Ala Phe Cys Arg Ser Leu Ser Cys Arg Lys Glu Gln

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167          65          70          75
169 Gly Lys Phe Tyr Asp His Leu Leu Arg Asp Cys Ile Ser Cys Ala
170          80          85          90
172 Ser Ile Cys Gly Gln His Pro Lys Gln Cys Ala Tyr Phe Cys Glu
173          95         100         105
175 Asn Lys Leu Arg Ser Pro Val Asn Leu Pro Pro Glu Leu Arg Arg
176         110         115         120
178 Gln Arg Ser Gly Glu Val Glu Asn Asn Ser Asp Asn Ser Gly Arg
179         125         130         135
181 Tyr Gln Gly Leu Glu His Arg Gly Ser Glu Ala Ser Pro Ala Leu
182         140         145         150
184 Pro Gly Leu Lys Leu Ser Ala Asp Gln Val Ala Leu Val Tyr Ser
185         155         160         165
187 Thr Leu Gly Leu Cys Leu Cys Ala Val Leu Cys Cys Phe Leu Val
188         170         175         180
190 Ala Val Ala Cys Phe Leu Lys Lys Arg Gly Asp Pro Cys Ser Cys
191         185         190         195
193 Gln Pro Arg Ser Arg Pro Arg Gln Ser Pro Ala Lys Ser Ser Gln
194         200         205         210
196 Asp His Ala Met Glu Ala Gly Ser Pro Val Ser Thr Ser Pro Glu
197         215         220         225
199 Pro Val Glu Thr Cys Ser Phe Cys Phe Pro Glu Cys Arg Ala Pro
200         230         235         240
202 Thr Gln Glu Ser Ala Val Thr Pro Gly Thr Pro Asp Pro Thr Cys
203         245         250         255
205 Ala Gly Arg Trp Gly Cys His Thr Arg Thr Thr Val Leu Gln Pro
206         260         265         270
208 Cys Pro His Ile Pro Asp Ser Gly Leu Gly Ile Val Cys Val Pro
209         275         280         285
211 Ala Gln Glu Gly Gly Pro Gly Ala
212         290
214 <210> SEQ ID NO: 4
215 <211> LENGTH: 995
216 <212> TYPE: DNA
217 <213> ORGANISM: Homo sapien
219 <400> SEQUENCE: 4
220 aagactcaaa cttagaaact tgaattagat gtggtattca aatccttacg 50
222 tgccgcgaag acacagacag cccccgtaag aaccacacgaa gcaggcgaag 100
224 ttcattgttc tcaacattct agctgctctt gctgcatttg ctctggaatt 150
226 cttgtagaga tattacttgt ccttcaggc tggtctttct gtagctccct 200
228 tgttttcttt ttgtgatcat gttgcagatg gctgggcagt gctcccaaaa 250
230 tgaatatatt gacagtttgt tgcattgctt cataccttgt caacttcgat 300
232 gttcttctaa tactctctct ctaacatgtc agcgttattg taatgcaagt 350
234 gtgaccaatt cagtgaagg aacgaatgcg attctctgga cctggttggg 400
236 actgagctta ataatttctt tggcagtttt cgtgctaatt tttttgctaa 450
238 ggaagataag ctctgaacca ttaaaggacg agtttaaaaa cacaggatca 500
240 ggtctcctgg ccatgacctg cattgacctg gaaaagagca ggactggtga 550
242 tgaaattatt cttccgagag gcctcgagta cacggtggaa gaatgcacct 600
244 gtgaagactg catcaagagc aaaccgaagg tcgactctga ccattgcttt 650

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246 ccactcccag ctatggagga aggcgcaacc attcttgtca ccacgaaaac 700  
 248 gaatgactat tgcaagagcc tgccagctgc tttgagtgc acggagatag 750  
 250 agaaatcaat ttctgctagg taattaacca ttctgactcg agcagtgcc 800  
 252 ctttaaaaaat cttttgtcag aatagatgat gtgtcagatc tctttaggat 850  
 254 gactgtatatt ttcagttgcc gatacagctt tttgtcctct aactgtggaa 900  
 256 actctttatg ttagatatat ttctctaggt tactgttggg agcttaatgg 950  
 258 tagaaacttc cttggtttca tgattaaagt cttttttttt cctga 995

260 &lt;210&gt; SEQ ID NO: 5

261 &lt;211&gt; LENGTH: 995

262 &lt;212&gt; TYPE: DNA

263 &lt;213&gt; ORGANISM: Homo sapien

265 &lt;400&gt; SEQUENCE: 5

266 tcaggaaaaa aaaagacttt aatcatgaaa ccaaggaagt ttctaccatt 50  
 268 aagctcccaa cagtaaccta gagaaatata tctaataaa agagtttcca 100  
 270 cagttagagg acaaaaagct gtatcggcaa ctgaaaaata cagtcatcct 150  
 272 aaagagatct gacacatcat ctattctgac aaaagatttt taaagtggca 200  
 274 ctgctcgagt cgaaatgggt aattacctag cagaaattga tttctctatc 250  
 276 tccgtagcac tcaaagcagc tggcaggctc ttgcaatagt cattcgtttt 300  
 278 cgtggtgaca agaatgggtg cgccttctc catagctggg agtggaaagc 350  
 280 aatggtcaga gtcgaccttc ggtttgctct tgatgcagtc ttcacagggtg 400  
 282 cattcttcca ccgtgtactc gaggcctctc ggaagaataa tttcatcacc 450  
 284 agtctgctc ttttccaggt caatgttagc catgccagg agacctgatc 500  
 286 ctgtgttttt aaactcgctc tttaatgggt cagagcttat cttccttagc 550  
 288 aaaaacatta gcacgaaaac tgccaaagaa attattaagc tcagtcccaa 600  
 290 acaggtcacag agaatcgcat tcgttccttt cactgaattg gtcacacttg 650  
 292 cattacaata acgctgacat gttagaggag gagtattaga agaacatcga 700  
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 300 cagagcaaat gcagcaagag cagctagaat gttgagaaca atgaacttcg 900  
 302 cctgttcgt gggttcttac gggggctgtc tgtgtcttcg cggcacgtaa 950  
 304 ggatttgaat accacatcta attcaagttt ctaagtttga gtctt 995

306 &lt;210&gt; SEQ ID NO: 6

307 &lt;211&gt; LENGTH: 184

308 &lt;212&gt; TYPE: PRT

309 &lt;213&gt; ORGANISM: Homo sapien

311 &lt;400&gt; SEQUENCE: 6

312 Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp  
 313 1 5 10 15  
 315 Ser Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser  
 316 20 25 30  
 318 Asn Thr Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val  
 319 35 40 45  
 321 Thr Asn Ser Val Lys Gly Thr Asn Ala Ile Leu Trp Thr Cys Leu  
 322 50 55 60  
 324 Gly Leu Ser Leu Ile Ile Ser Leu Ala Val Phe Val Leu Met Phe  
 325 65 70 75  
 327 Leu Leu Arg Lys Ile Ser Ser Glu Pro Leu Lys Asp Glu Phe Lys  
 328 80 85 90

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330 Asn Thr Gly Ser Gly Leu Leu Gly Met Ala Asn Ile Asp Leu Glu
331          95                      100                      105
333 Lys Ser Arg Thr Gly Asp Glu Ile Ile Leu Pro Arg Gly Leu Glu
334          110                      115                      120
336 Tyr Thr Val Glu Glu Cys Thr Cys Glu Asp Cys Ile Lys Ser Lys
337          125                      130                      135
339 Pro Lys Val Asp Ser Asp His Cys Phe Pro Leu Pro Ala Met Glu
340          140                      145                      150
342 Glu Gly Ala Thr Ile Leu Val Thr Thr Lys Thr Asn Asp Tyr Cys
343          155                      160                      165
345 Lys Ser Leu Pro Ala Ala Leu Ser Ala Thr Glu Ile Glu Lys Ser
346          170                      175                      180

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348 Ile Ser Ala Arg

351 &lt;210&gt; SEQ ID NO: 7

352 &lt;211&gt; LENGTH: 858

353 &lt;212&gt; TYPE: DNA

354 &lt;213&gt; ORGANISM: Homo sapien

356 &lt;400&gt; SEQUENCE: 7

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359 gaaaagagaa gaaatgaaac tgaaggagtg tgtttccatc ctcccacgga 100
361 aggaaagccc ctctgtccga tcctccaaag acggaaagct gctggctgca 150
363 accttgctgc tggcactgct gtcttgctgc ctcacggtgg tgtctttcta 200
365 ccaggtggcc gccctgcaag gggacctggc cagcctccgg gcagagctgc 250
367 agggccacca cgcggagaag ctgccagcag gagcaggagc ccccaaggcc 300
369 ggcttgaggg aagctccagc tgtcacccgc ggactgaaaa tctttgaacc 350
371 accagctcca ggagaaggca actccagtca gaacagcaga aataagcgtg 400
373 ccgttcaggg tccagaagaa acagtcactc aagactgctt gcaactgatt 450
375 gcagacagtg aaacaccaac tatacaaaaa ggatcttaca catttgttcc 500
377 atggcttctc agctttaaaa ggggaagtgc cctagaagaa aaagagaata 550
379 aaatattggt caaagaaact ggttactttt ttatatatgg tcaggtttta 600
381 tatactgata agacctacgc catgggacat ctaattcaga ggaagaaggt 650
383 ccatgtcttt ggggatgaat tgagtctggt gactttgttt cgatgtattc 700
385 aaaatatgcc tgaaacacta cccaataatt cctgctattc agctggcatt 750
387 gcaaaactgg aagaaggaga tgaactcaa cttgcaatac caagagaaaa 800
389 tgcacaaata tcactggatg gagatgtcac attttttggg gcattgaaac 850
391 tgctgtga 858

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393 &lt;210&gt; SEQ ID NO: 8

394 &lt;211&gt; LENGTH: 858

395 &lt;212&gt; TYPE: DNA

396 &lt;213&gt; ORGANISM: Homo sapien

398 &lt;400&gt; SEQUENCE: 8

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401 tttgtgcatt ttctcttggt attgcaagtt ggagttcatc tccttcttcc 100
403 agttttgcaa tgccagctga atagcaggaa ttattgggta gtgtttcagg 150
405 catattttga atacatcgaa acaaagtcac cagactcaat tcatcccaa 200
407 agacatggac cttcttcctc tgaattagat gtcccatggc gtaggcttta 250
409 tcagtatata aaacctgacc atatataaaa aagtaaccag tttctttgac 300
411 caatatttta ttctcttttt cttctagggc acttcccctt ttaaagctga 350
413 gaagccatgg aacaaatgtg taagatcctt tttgtatagt tgggtgttca 400

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**VERIFICATION SUMMARY**

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L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION: